

RESPONSE SN 10/081,164 PAGE - 2 of 15 -

IN THE CLAIMS

Please rewrite claims 1 and 31 as shown below.

1. (Currently Amended) A method for distributing satellite tracking data to a remote receiver comprising:

receiving satellite tracking data from a satellite control station;

representing at least a portion of said satellite tracking data in as formatted data having a format supported by the remote receiver, said at least a portion of said satellite tracking data being valid for at least four hours; and

transmitting the formatted data to the remote receiver using a terrestrial communication link.

- 2. (Original) The method of claim 1 where the satellite tracking data comprises data representative of the satellite orbits.
- 3. (Original) The method of claim 1 where the satellite tracking data comprises data representative of future satellite orbits.
- 4. (Original) The method of claim 2, where the satellite tracking data further comprises data representative of the satellite clock offsets.
- 5. (Original) The method of claim 3 where the satellite tracking data further comprises data representative of the future satellite clock offsets.
- 6. (Original) The method of claim 1 wherein said satellite control station is the Master Control Station for at least one of a GPS satellite system or a Galileo satellite system.
- 7. (Original) The method of claim 6 wherein said receiving step comprises receiving said satellite tracking data from said Master Control Station via a frame relay communication link.



RESPONSE SN 10/081,164 PAGE - 3 of 15 -

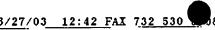
- 8. (Original) The method of claim 6 wherein said satellite tracking data comprises ephemeris data from at least one said GPS satellite system or said Galileo satellite system.
- 9. (Original) The method of claim 8 wherein said ephemeris data includes blocks of ephemeris data valid for a period of time in the future.
- 10. (Original) The method of claim 1 wherein said satellite tracking data comprises at least one of: a plurality of satellite positions with respect to time for a period of time into the future, a plurality of satellite clock offsets with respect to time for a period of time into the future.
- 11. (Original) The method of claim 1 wherein said satellite tracking data comprises at least one of: data representative of satellite positions, velocities or acceleration; data representative of satellite clock offsets, drift, or drift rates.
- 12. (Original) The method of claim 1 wherein said format comprises a format that is prescribed by said remote receiver.
- 13. (Original) The method of claim 1 wherein said format is a model containing at least one of: orbital parameters and clock parameters.
- 14. (Original) The method of claim 13 wherein said orbital parameters and clock parameters are defined by a global positioning system standard.
- 15. (Original) The method of claim 13 wherein said model comprises more than one sequential model, each sequential model being valid for a period of time.



RESPONSE SN 10/081,164 PAGE - 4 of 15 -

- 16. (Original) The method of claim 13 wherein said model is valid for a period of four hours.
- 17. (Original) The method of claim 13 wherein said model is valid for a period of more than four hours.
- 18. (Original) The method of claim 1 wherein said remote receiver is a GPS receiver.
- 19. (Original) The method of claim 1 wherein said remote receiver is a satellite positioning system receiver.
- 20. (Original) The method of claim 1 wherein said format is a standard format for transmitting satellite models to a global positioning system receiver.
- 21. (Original) The method of claim 1 wherein the satellite tracking data is valid for a first period of time and the at least a portion of said satellite tracking data is valid for a second period of time, where said first period is longer than said second period.
- 22. (Original) The method of claim 1 wherein said transmitting step further comprises: transmitting using a wireless communications link.
- 23. (Original) The method of claim 22 wherein said transmitting step further comprises: broadcasting the formatted data to a remote receiver.
- 24. (Original) The method of claim 1 wherein said transmitting step comprises: transmitting using a computer network.
- 25. (Original) The method of claim 24 wherein said transmitting step further comprises: broadcasting the formatted data to a remote receiver.





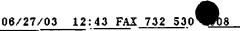
RESPONSE SN 10/081,164 PAGE - 5 of 15 -

- 26. (Original) The method of claim 1 wherein said transmitting step comprises: transmitting using the Internet.
- 27. (Original) The method of claim 26 wherein said transmitting step further comprises: broadcasting the formatted data to a remote receiver.
- 28. (Original) The method of claim 26 wherein said transmitting step couples the formatted data to the remote receiver when said remote receiver connects to the Internet.
- 29. (Original) The method of claim 1, wherein said transmitting step further comprises: determining a time when a cost of transmitting the formatted data is relatively low; and transmitting the formatted data at said time.
- 30. (Original) The method of claim 1, wherein said transmitting step further comprises: determining a time when the congestion of a transmission network is relatively low: transmitting the formatted data at said time.
- 31. (Currently Amended) Apparatus for distributing satellite tracking data to a remote receiver comprising:

a computer for receiving satellite tracking data from a satellite control station, accessing at least a portion of said satellite tracking data from a memory, and formatting said at least a portion of said satellite tracking data in as formatted data having a format supported by the remote receiver, said at least a portion of said satellite tracking data being valid for at least four hours; and

terrestrial means for transmitting the formatted data to the remote receiver.





RESPONSE SN 10/081,164 PAGE - 6 of 15 -

- 32. (Original) The apparatus of claim 31 wherein said satellite control station is the Master Control Station of at least one of a GPS satellite system or Galileo satellite system.
- 33. (Original) The apparatus of claim 32 further comprising a frame relay for communicating said satellite tracking data from said Master Control Station to said computer.
- 34. (Original) The apparatus of claim 32 wherein said satellite tracking data is ephemeris data of at least one of said GPS satellite system or Galileo satellite system.
- 35. (Original) The apparatus of claim 31 wherein said satellite tracking data comprises at least one of: a plurality of satellite positions with respect to time for a period of time into the future, a plurality of satellite clock offsets with respect to time for a period of time into the future.
- 36. (Original) The apparatus of claim 31 wherein said satellite tracking data comprises at least one of: data representative of satellite positions, velocities or acceleration; data representative of satellite clock offsets, drift, or drift rates.
- 37. (Original) The apparatus of claim 31 wherein said format comprises a format that is prescribed by said remote receiver.
- 38. (Original) The apparatus of claim 31 wherein said format is a model containing at least one of: orbital parameters and clock parameters.
- 39. (Original) The apparatus of claim 38 wherein said orbital parameters and clock parameters are defined by the global positioning system standard.





RESPONSE SN 10/081,164 PAGE - 7 of 15 -

- 40. (Original) The apparatus of claim 38 wherein said model comprises more than one sequential model, each sequential model being valid for a period of time.
- 41. (Original) The apparatus of claim 38 wherein said model is valid for a period of more than four hours.
- 42. (Original) The apparatus of claim 31 wherein said remote receiver is a GPS receiver.
- 43. (Original) The apparatus of claim 31 wherein said remote receiver is a satellite positioning system receiver.
- 44. (Original) The apparatus of claim 31 wherein said format is a standard format for transmitting satellite models to a global positioning system receiver.
- 45. (Original) The apparatus of claim 31 wherein the satellite tracking data is valid for a first period of time and the at least a portion of said satellite tracking data is valid for a second period of time, where said first period is longer than said second period.
- 46. (Original) The apparatus of claim 31 wherein said transmitting means comprises: a wireless communications link.
- 47. (Original) The apparatus of claim 31 wherein said transmitting means comprises: a computer network.
- 48. (Original) The apparatus of claim 31 wherein said transmitting means comprises: the Internet.

